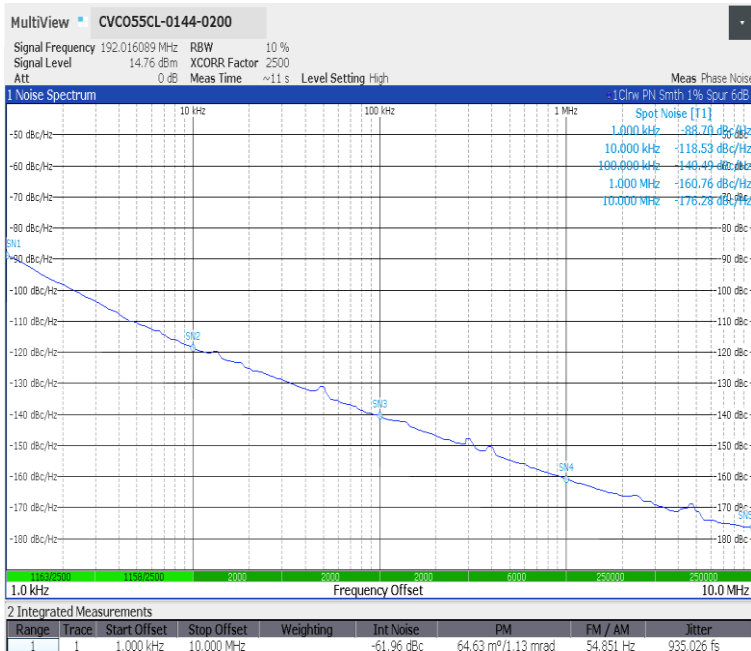


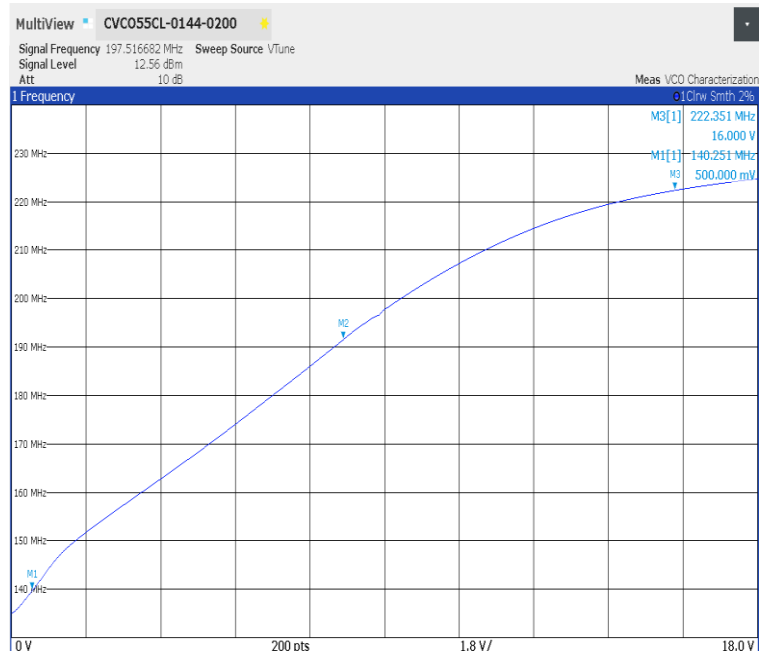


PERFORMANCE SPECIFICATION	MIN	TYP	MAX	UNITS
Lower Frequency:			144	MHz
Upper Frequency:	200			MHz
Tuning Voltage:	0.5		16	VDC
Supply Voltage:	11.75	12.0	12.25	VDC
Output Power:		+9		dBm
Supply Current:			33	mA
Harmonic Suppression (2 <sup>nd</sup> Harmonic):		-20	-10	dBc
Pushing:		0.2	0.4	MHz/V
Pulling, all Phases:		0.2	0.4	MHz pk-pk
Tuning Sensitivity:		5		MHz/V
Phase Noise @ 1kHz offset:		-90		dBc/Hz
Phase Noise @ 10kHz offset:		-120		dBc/Hz
Phase Noise @ 100kHz offset:		-140		dBc/Hz
Phase Noise @ 1MHz offset:		-160		dBc/Hz
Load Impedance:		50		$\Omega$
Input Capacitance:			330	pF
Operating Temperature Range:	-40		+85	$^{\circ}\text{C}$
Storage Temperature Range:	-45		+90	$^{\circ}\text{C}$

### Phase Noise (1 Hz BW, Typical)

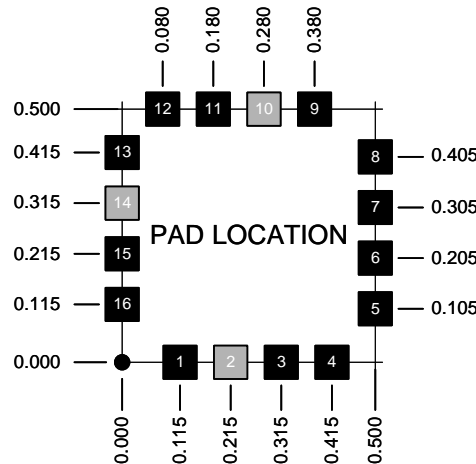
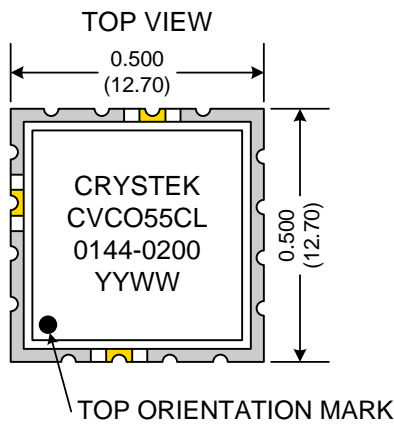
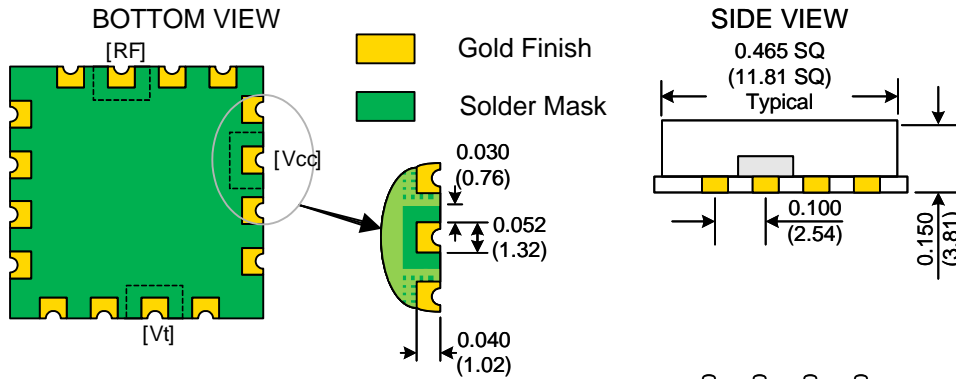


### Tuning Curve (Typical)



#### Product Control:

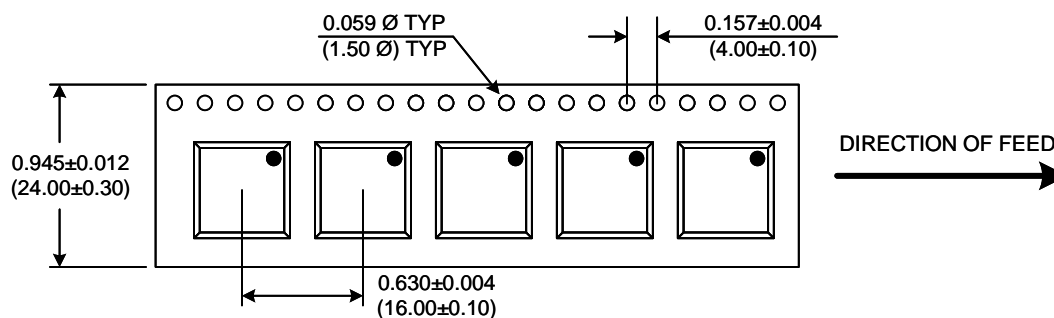
Crystek Part Number:	CVCO55CL-0144-0200	Release Date:	27-Feb-2025
Revision Level:	A	Responsible:	C. Vales



Pad	Connection
2	Vt
10	RF-OUTPUT
14	Vcc
Others	GROUND

- Unless otherwise specified, Dimensions are in:  $\frac{IN}{(mm)}$
- Pad Location Dimensions are in: Inches

**TAPE AND REEL**



Drawing not to scale

**Product Control:**

Crystek Part Number:	CVCO55CL-0144-0200	Release Date:	27-Feb-2025
Revision Level:	A	Responsible:	C. Vales

Crystek Corporation reserves the right to make changes to its products and/or information contained herein without notice. No liability is assumed as a result of its use or application.